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ABSTRACT OF THE DISCLOSURE

A CDMA mobile data communication system and a method of wireless data communication using the system for a mobile-to-mobile data communication in which a wireless data communication between a calling party mobile station is disclosed where a general mobile terminal without having a modem is connected with a data terminal and a called party mobile station in a mobile data communication network of CDMA system is possible. The system of the present invention which includes a plurality of mobile stations, a plurality of base stations and base station controllers, a plurality of switching centers and data network interworking units comprises the steps of inputting the identification number of a called party mobile station, establishing a first traffic channel after establishing a first call from a calling party mobile station to said data network interworking unit, calling the called party mobile station at said data network interworking unit, the step of establishing a second traffic channel after a second call from said called party mobile station to said data network interworking unit is established when a data response is transmitted from said called party mobile station and said mobile data path connection module informs said public network data path connection control

module of the normal state of said first data path, establishing
a call through said second data path between said mobile
switching center and the data network interworking unit, and
connecting said first and second traffic channels through at
5 least one modems .

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